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WATER SUPPLY OUTLOOK FOR IDAHO



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THE
LAND

U. S. DEPARTMENT OF AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO DEPARTMENT OF WATER RESOURCES

AS OF
MAY 1, 1977

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE.
ORC-254-10

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
| Arizona | Room 3008, 6029 Federal Building, Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P. O. Box 98, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1220 S.W. Third Ave., Portland, Oregon 97204 |
| Utah | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK

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WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
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BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR MAY 1, 1977

Warm dry weather during the month of April has further aggravated the drought condition throughout Idaho.

Water supplies will be deficient throughout the state during 1977. Critical shortages will be experienced in many areas, particularly the south central and southwestern sections. Many small streams are expected to be dry by next fall. Seasonal runoff forecasts range from a low of 6 percent of average for the Bear River at Harer to a high of 54 percent of normal for the Henry's Fork at Ashton. Record lows are forecast for practically all watersheds in the state.

The winter snow accumulation has disappeared on all watersheds except at very high elevations and in protected areas. The melting snow produced minimal runoff on all drainages, setting new minimum April flow records at many gauging stations.

Stored water, though near average in many reservoirs, will be insufficient to supply irrigation demands for the coming season. Due to projected low streamflows and early drawdown for irrigation, reservoirs will not fill this year. Some smaller reservoirs are already empty.

Precipitation during April averaged less than 20 percent of normal over most of the state with a significant portion of south central and southwestern Idaho receiving less than 10 percent of average. Mean temperatures for the month were 2 to 5 degrees above normal.

RESERVOIR STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | | |
|----------------------------------|-----------------|---------------------------|-----------|-----------------|--|
| | | THIS YEAR | LAST YEAR | 1958-72 AVERAGE | |
| <u>UPPER COLUMBIA BASIN</u> | | | | | |
| <u>Clark Fork - Pend Oreille</u> | | | | | |
| Hungry Horse | 3428.0 | 2288.0 | 2031.0 | 2006.0 | |
| Flathead | 1791.0 | 877.4 | 1067.0 | 977.9 | |
| Pend Oreille | 1155.1 | 419.0 | 467.1 | 534.3 | |
| Noxon | 334.6 | 314.2 | 262.1 | 138.4 | |
| <u>Spokane</u> | | | | | |
| Coeur d'Alene | 225.1 | 179.3 | 236.7 | 253.1 | |
| <u>SNAKE BASIN</u> | | | | | |
| <u>Snake</u> | | | | | |
| Jackson Lake | 847.0 | 646.7 | 500.1 | 501.7 | |
| Palisades | 1200.0 | 1126.1 | 173.7 | 774.4 | |
| American Falls | 1125.0 | 991.3 | 1177.2 | 1089.7 | |
| Island Park | 127.0 | 133.7 | 93.7 | 132.1 | |
| Grassy Lake | 15.2 | 11.4 | 11.1 | 10.9 | |
| Brownlee | 980.2 | 697.0 | 472.5 | 432.9* | |
| <u>Goose-Trapper Creeks</u> | | | | | |
| Oakley | 74.4 | 46.4 | 59.9 | 27.3 | |
| <u>Salmon Falls Creek</u> | | | | | |
| Salmon Falls | 182.6 | 85.3 | 144.9 | 59.4 | |
| <u>Big Lost</u> | | | | | |
| Mackay | 44.2 | 30.6 | 40.9 | 31.7 | |
| <u>Big Wood</u> | | | | | |
| Magic | 191.5 | 84.0 | 191.5 | 170.2 | |
| <u>Little Wood</u> | | | | | |
| Little Wood | 30.0 | 16.8 | 27.8 | 24.6 | |
| <u>Fish Creek</u> | | | | | |
| Carey Valley | 14.4 | 6.2 | 11.0 | -- | |
| <u>Boise</u> | | | | | |
| Anderson Ranch | 423.2 | 340.5 | 324.8 | 282.0 | |
| Arrowrock | 286.6 | 16.9 | 196.9 | 231.4 | |
| Lucky Peak | 278.2 | 261.1 | 171.0 | 142.5 | |
| Lake Lowell (Deer Flat) | 169.0 | 102.7 | 167.3 | 155.4 | |
| <u>Owyhee</u> | | | | | |
| Owyhee | 715.0 | 484.9 | 694.3 | 563.7 | |
| <u>Payette</u> | | | | | |
| Cascade | 653.2 | 355.1 | 354.3 | 353.8 | |
| Deadwood | 161.9 | 95.4 | 115.2 | 92.4 | |
| <u>Weiser</u> | | | | | |
| Mann Creek | 11.1 | 1.2 | 10.9 | -- | |
| <u>Clearwater</u> | | | | | |
| Dworshak | 2016.0 | 1029.1 | 364.8 | -- | |
| <u>GREAT BASIN</u> | | | | | |
| <u>Bear</u> | | | | | |
| Bear Lake | 1421.0 | 1050.0 | 1137.0 | 1040.0 | |

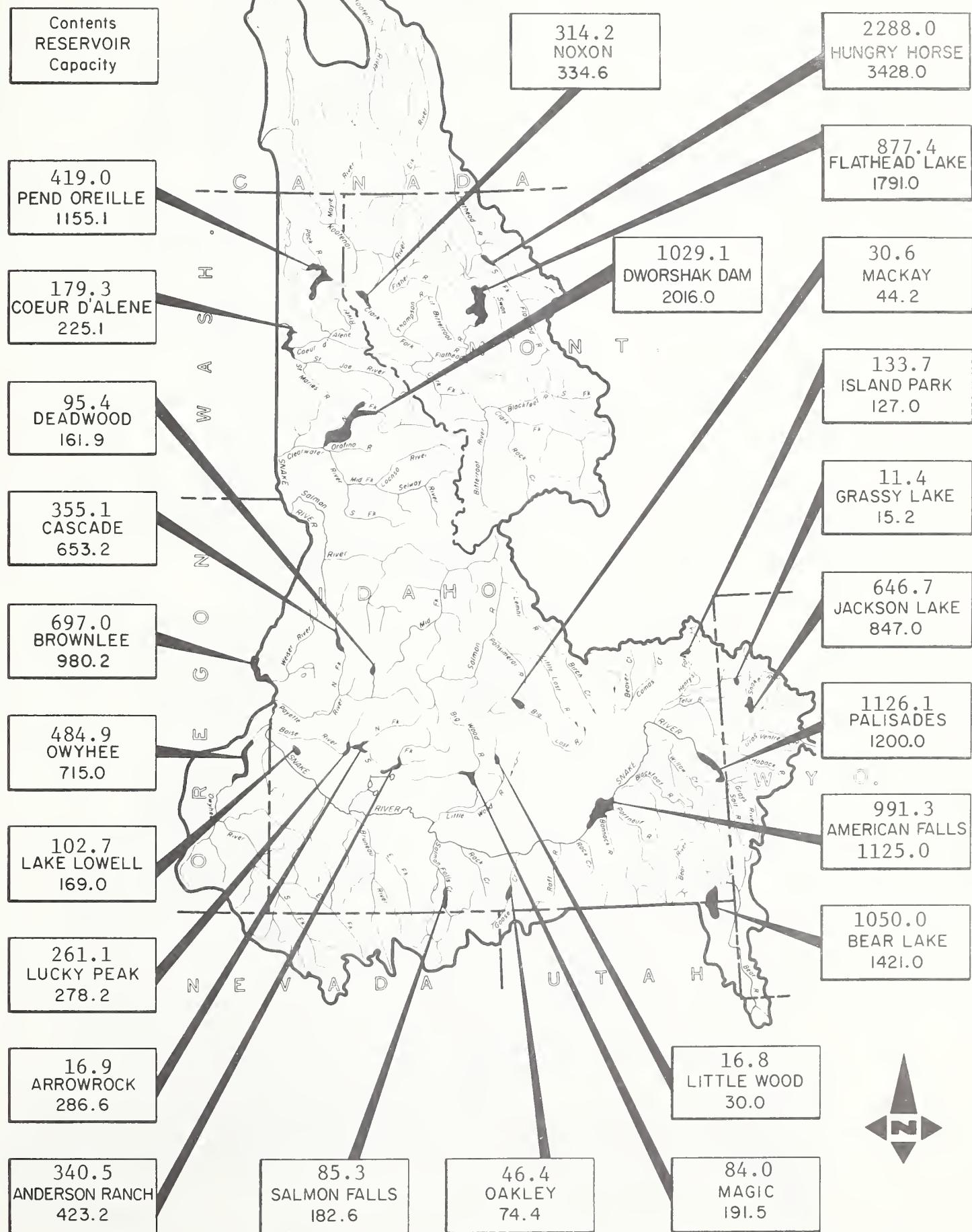
*Period of Record

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1977

50 0 50 100 150
SCALE IN MILES



STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|-----------------------|--------------------|-----------------|--------------------|----------------------|
| | FORECAST ^c | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year | Average ⁺ |

UPPER COLUMBIA BASINKOOTENAI RIVER

| | | | | | | |
|--------|------|------|----|---------|---|------|
| Leonia | (at) | 4300 | 52 | May-Sep | - | 8262 |
| | | 3550 | 50 | May-Jul | - | 7146 |
| | | 2750 | 49 | May-Jun | - | 5620 |

PEND OREILLE RIVERClark Fork River

| | | | | | | |
|-------------------|------|------|----|---------|---|-------|
| Whitehorse Rapids | (at) | 6000 | 49 | May-Sep | - | 12553 |
| | | 5250 | 47 | May-Jul | - | 11283 |
| | | 4350 | 46 | May-Jun | - | 9523 |

Priest River

| | | | | | | |
|-----------------|------|-----|----|---------|---|-----|
| Priest River 1/ | (nr) | 290 | 42 | May-Jul | - | 685 |
|-----------------|------|-----|----|---------|---|-----|

SPOKANE RIVER

| | | | | | | |
|---------------|------|-----|----|---------|---|------|
| Post Falls 2/ | (at) | 650 | 32 | May-Sep | - | 2034 |
|---------------|------|-----|----|---------|---|------|

St. Joe River

| | | | | | | |
|--------|------|-----|----|---------|---|------|
| Calder | (at) | 325 | 31 | May-Sep | - | 1047 |
| | | 300 | 31 | May-Jul | - | 978 |

SNAKE RIVER BASINSNAKE RIVER - MAIN STEM

| | | | | | | |
|--------------|------|------|----|---------|---|------|
| Moran 3/ | (at) | 380 | 44 | Apr-Sep | - | 858 |
| Heise 4/ | (nr) | 1350 | 37 | May-Sep | - | 3640 |
| Blackfoot 5/ | (nr) | 1490 | 39 | May-Jul | - | 3812 |
| Weiser | (at) | 1520 | 30 | May-Sep | - | 5076 |

Henry's Fork

| | | | | | | |
|------------|------|-----|----|---------|---|------|
| Ashton 6/ | (nr) | 310 | 54 | May-Sep | - | 569 |
| Rexburg 7/ | (nr) | 600 | 49 | May-Sep | - | 1226 |

Teton River

| | | | | | | |
|-------------|------|-----|----|---------|---|-----|
| St. Anthony | (nr) | 180 | 45 | May-Sep | - | 398 |
|-------------|------|-----|----|---------|---|-----|

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake.

2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake.

4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

PROSPECTIVE STREAMFLOW
Based on Snow Surveys made on approximately
MAY 1, 1977

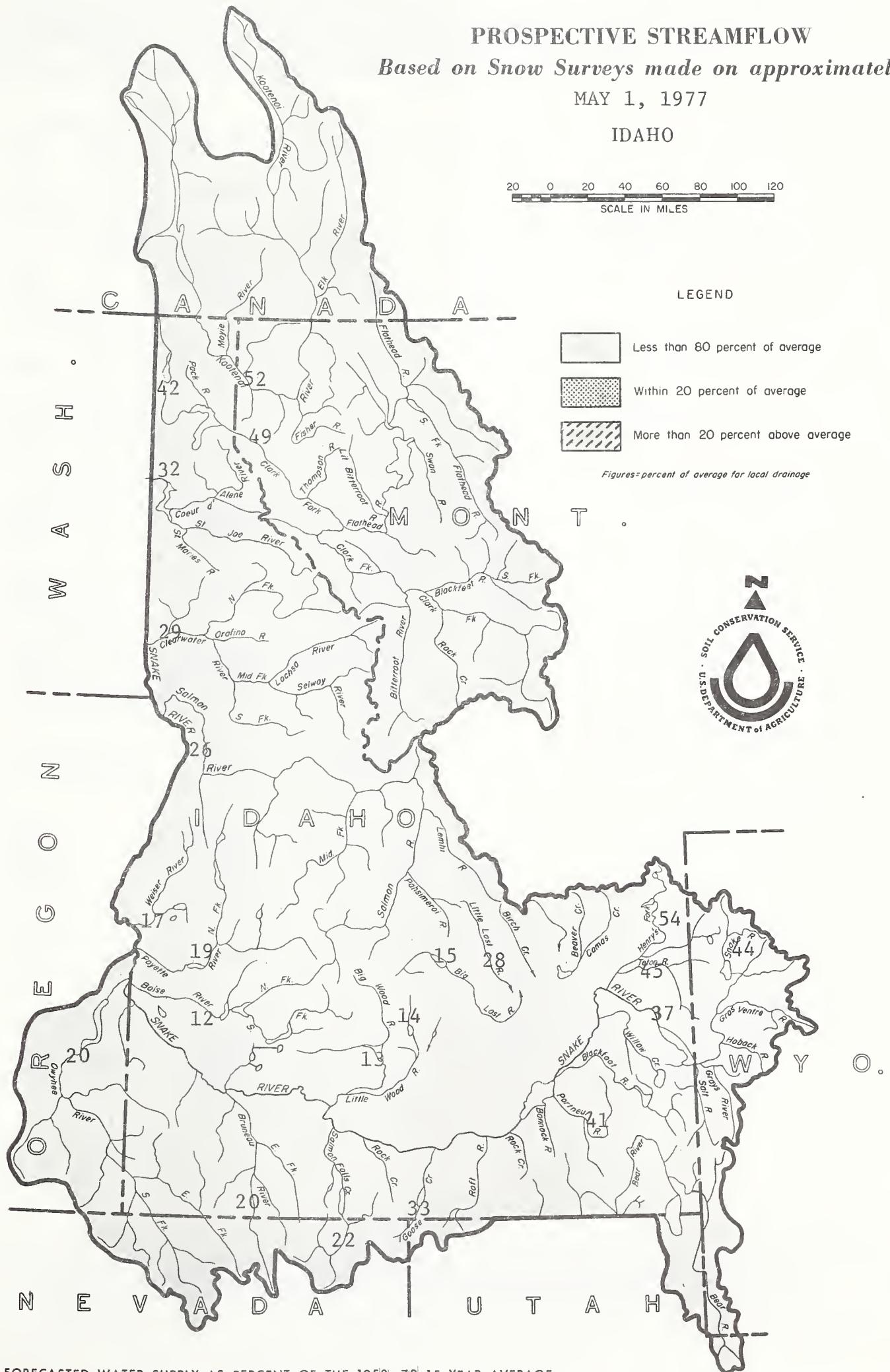
IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES

LEGEND

- [White box] Less than 80 percent of average
- [Dotted box] Within 20 percent of average
- [Hatched box] More than 20 percent above average

Figures = percent of average for local drainage



FORECASTED WATER SUPPLY AS PERCENT OF THE 1958-72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | PAST RECORD | | | |
|-------------------------------------|-------------------------------------|-----------------------|--------------------|---------------------------------|-----------|------|
| | FORECAST C Thousand Acre Feet | Percent of Average | FORECAST PERIOD | THOUSAND ACRE FEET Last Year | Average + | |
| <u>Portneuf River</u> | | | | | | |
| Topaz | (at) | 27 | 41 | May-Sep | - | 66 |
| <u>Oakley Reservoir Inflow</u> | | 6 | 33 | May-Sep | - | 18.4 |
| <u>Salmon Falls Creek</u> | | | | | | |
| San Jacinto | (nr) | 12 | 22 | May-Sep | - | 54 |
| | | 11 | 22 | May-Jul | - | 50 |
| <u>Bruneau River</u> | | | | | | |
| Hot Springs | (nr) | 33 | 20 | May-Sep | - | 163 |
| <u>Little Lost River</u> | | | | | | |
| Howe | (nr) | 10 | 28 | May-Sep | - | 35.5 |
| <u>Big Lost River</u> | | | | | | |
| Howell Ranch | (at) | 30 | 15 | May-Sep | - | 198 |
| | | 22 | 16 | May-Jun | - | 137 |
| Mackay 1/ | (nr) | 25 | 15 | May-Sep | - | 168 |
| <u>Big Wood River</u> | | | | | | |
| Magic Reservoir | | 27 | 13 | May-Sep | - | 209 |
| Inflow 2/ | | 25 | 13 | May-Jul | - | 194 |
| <u>Little Wood River</u> | | | | | | |
| High Five Creek | (ab) | 10 | 14 | May-Sep | - | 73 |
| <u>Boise River</u> | | | | | | |
| Twin Springs | (nr) | 75 | 13 | May-Sep | - | 597 |
| | | 70 | 13 | May-Jul | - | 542 |
| Boise 3/ | (nr) | 155 | 12 | May-Sep | - | 1276 |
| <u>South Fork</u> | | | | | | |
| Anderson Dam 4/ | (at) | 55 | 11 | May-Sep | - | 491 |
| <u>Owyhee River</u> | | | | | | |
| Gold Cr., Nev. 5/ | (nr) | 1 | 13 | May-Jul | - | 8 |
| Owyhee, Nev. 5/ | (nr) | 6 | 15 | May-Jul | - | 41 |
| Lake Owyhee | | 36 | 20 | May-Sep | | 180 |
| net inflow 6/ | | 35 | 22 | May-Jul | - | 157 |

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir
 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.
 + 1958-1972 period.

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|-------------------------|--------------------|-----------------|--------------------|------------------------|
| | FORECAST ^(c) | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year | Average ^(d) |

Payette River

| | | | | | | |
|--------------------------|------|-----|----|---------|---|------|
| Horseshoe Bend <u>1/</u> | (nr) | 290 | 19 | May-Sep | - | 1536 |
| Banks <u>2/</u> | (nr) | 165 | 20 | May-Jul | - | 830 |

North Fork

| | | | | | | |
|-------------------|------|-----|----|---------|---|-----|
| Cascade <u>3/</u> | (at) | 98 | 21 | May-Sep | - | 471 |
| Banks <u>3/</u> | (nr) | 123 | 21 | May-Sep | - | 589 |

Weiser River

| | | | | | | |
|----------------------------------|--|----|----|---------|---|-----|
| Weiser ab. Crane Creek <u>4/</u> | | 45 | 17 | May-Sep | - | 274 |
|----------------------------------|--|----|----|---------|---|-----|

Salmon River

| | | | | | | |
|-----------|------|------|----|---------|---|------|
| Whitebird | (at) | 1640 | 26 | May-Sep | - | 6311 |
|-----------|------|------|----|---------|---|------|

Clearwater River

| | | | | | | |
|----------|------|------|----|---------|---|------|
| Spalding | (at) | 2000 | 29 | May-Sep | - | 6892 |
|----------|------|------|----|---------|---|------|

GREAT BASINBEAR RIVER

| | | | | | | |
|-------|------|------|---|---------|---|-----|
| Harer | (at) | 13.1 | 6 | May-Sep | - | 237 |
|-------|------|------|---|---------|---|-----|

Montpelier Creek

| | | | | | | |
|------------|------|-----|----|---------|---|------|
| Montpelier | (nr) | 1.4 | 14 | May-Sep | - | 10.2 |
|------------|------|-----|----|---------|---|------|

Cub River

| | | | | | | |
|---------|------|----|----|---------|---|------|
| Preston | (nr) | 12 | 26 | May-Sep | - | 46.1 |
|---------|------|----|----|---------|---|------|

(c) Assuming normal meteorological conditions. 1 Corrected for storage in Cascade and Headwood reservoirs. 2 Corrected for storage in Headwood Reservoir. 3 Corrected for storage in Cascade Reservoir. 4 Observed flow at Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. - 1958-1972 period.

i
SNOW

| DRAINAGE BASIN and or SNOW COURSE | | Date of Survey | THIS YEAR | | PAST RECORD | |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| NAME | Elevation | | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | Last Year |

UPPER COLUMBIA RIVER BASIN

KOOTENAI RIVER

| | | | | | | |
|-----------------|------|------|----|------|------|-------|
| #Bear Mountain | 5400 | 4/27 | 48 | 23.0 | -- | 68.8* |
| Halverson Creek | 4850 | 4/27 | 36 | 18.0 | -- | 49.7* |
| Smith Creek | 4800 | 4/28 | 37 | 15.2 | 43.2 | 48.6 |

PEND OREILLE - PRIEST RIVER

| | | | | | | |
|---------------------|------|------|----|------|------|-------|
| Bear Mountain | 5400 | 4/27 | 48 | 23.0 | -- | 68.8* |
| Benton Meadow | 2370 | 4/27 | 0 | 0.0 | 0.0 | 0.0 |
| Benton Spring | 4900 | 4/27 | 0 | 0.0 | 14.5 | 15.7 |
| #Mosquito Ridge (A) | 5110 | 4/28 | 12 | 4.3 | -- | -- |
| Schweitzer Bowl | 4500 | 4/29 | 0 | 0.0 | -- | 26.6* |
| Schweitzer Ridge | 6100 | 4/29 | 31 | 14.5 | -- | 50.6* |

HAYDEN LAKE

| | | | | | | |
|-------------------|------|------|---|-----|------|----|
| Chilco Ridge | 3650 | 4/26 | 0 | 0.0 | 2.4 | -- |
| Conie Ridge | 3900 | 4/26 | 0 | 0.0 | 2.8 | -- |
| Corner Creek | 3150 | 4/26 | 0 | 0.0 | 2.2 | -- |
| Sage Creek Saddle | 4100 | 4/26 | 0 | 0.0 | 17.6 | -- |

SPOKANE RIVER

| | | | | | | |
|-----------------------|------|------|----|------|------|-------|
| Above Burke | 4100 | 4/28 | 13 | 4.7 | 25.9 | -- |
| Copper Ridge | 4800 | 4/25 | 0 | 0.0 | 28.4 | 27.3 |
| #Forty-nine Meadows | 4880 | 4/27 | 15 | 4.0 | 27.4 | 30.3* |
| Fourth of July Summit | 3200 | 4/28 | 0 | 0.0 | 3.2 | -- |
| Granite Peak | 6000 | 4/27 | 47 | 15.5 | 44.0 | 48.3* |
| Kellogg Peak (A) | 5560 | 4/28 | 0 | 0.0 | -- | -- |
| Lookout | 5120 | 4/28 | 23 | 8.3 | 38.2 | 36.7 |
| #Lost Lake | 6000 | 4/27 | 52 | 19.3 | 59.2 | 62.0* |
| Lower Sands Creek | 3400 | 4/25 | 20 | 7.3 | 19.2 | 16.0 |
| Medicine Ridge | 5920 | 4/27 | 47 | 16.2 | 46.8 | 51.5* |
| Mosquito Ridge (A) | 5110 | 4/28 | 12 | 4.3 | -- | -- |
| Roland Summit (A) | 5200 | 4/28 | 0 | 0.0 | -- | -- |
| Sherwin | 3200 | 4/29 | 0 | 0.0 | 12.2 | -- |
| Sunset (A) | 5600 | 4/28 | 18 | 6.5 | -- | -- |

LOWER SNAKE RIVER BASIN

CLEARWATER RIVER

| | | | | | | |
|--------------------|------|------|----|------|------|-------|
| Buck Meadows | 5650 | 4/27 | 24 | 8.1 | 33.3 | 32.7* |
| Cayuse Airstrip | 3700 | 4/27 | 0 | 0.0 | 0.0 | 0.3* |
| Coolwater Mountain | 6200 | 4/27 | 35 | 12.4 | 44.2 | 34.5* |
| Crater Meadows | 6100 | 4/27 | 48 | 21.4 | 46.8 | 50.2* |

(b) 1958-72, 15 year period. ^aNot located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation. ^bWater content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and/or SNOW COURSE NAME | Elevation | THIS YEAR | | | PAST RECORD | |
|---|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | Last Year |
| | | | | | Average ^b | |
| Crooked Fork | 3600 | 4/27 | 0 | 0.0 | 0.0 | -- |
| Elk Butte | 5550 | 4/27 | 17 | 5.6 | 37.0 | 36.1* |
| Fish Lake Airstrip | 5000 | 4/27 | 34 | 13.4 | 43.2 | 42.6* |
| Forty-nine Meadows | 4880 | 4/27 | 15 | 4.0 | 27.4 | 30.3* |
| Goat Lake | 6600 | 4/27 | 51 | 19.7 | 50.2 | 54.7* |
| #Granite Peak | 6000 | 4/27 | 47 | 15.5 | 44.0 | 48.3* |
| Hemlock Butte | 5500 | 4/27 | 43 | 16.8 | 53.6 | 54.4* |
| #Hoodoo Basin | Mont. | 6000 | 4/28 | 48 | 64.8 | 55.2 |
| #Hoodoo Creek | Mont. | 5900 | 5/28 | 42 | 56.4 | 52.2 |
| Lolo Pass | | 5240 | 4/27 | 23 | 36.6 | 32.3 |
| Lost Lake | | 6000 | 4/27 | 52 | 59.2 | 62.0* |
| #Medicine Ridge | | 5920 | 4/27 | 47 | 46.8 | 5.15* |
| Mountain Meadows | | 6300 | 4/27 | 24 | 27.0 | 27.3* |
| #Nez Perce Pass | Mont. | 6575 | 4/29 | 5 | 21.4 | 15.6 |
| Orogrande Mountain | | 7800 | 4/27 | 54 | 46.5 | 47.5* |
| Pierce Ranger Station | | 3170 | 4/29 | 0 | 0.0 | 1.3 |
| Savage Pass | | 6170 | 4/29 | 26 | 36.2 | 29.2 |
| Shanghai Summit | | 4600 | 4/27 | 4 | 23.8 | 24.0* |

SALMON RIVER

| | | | | | | |
|-------------------|-------|------|------|-----|------|-------|
| Big Creek Summit | 6600 | 4/28 | 14 | 5.0 | 41.8 | 37.0 |
| #Boulder Creek | 5500 | 4/29 | 0 | 0.0 | 14.8 | 15.7* |
| Brundage Mountain | 7560 | 4/28 | 18 | 6.4 | 50.2 | 51.9* |
| #Deadwood Summit | 7000 | 4/28 | 3 | 0.9 | 45.0 | 48.4* |
| #Galena Summit | 8795 | 4/29 | 0 | 0.0 | 27.9 | 26.0 |
| #Gibbons Pass | Mont. | 7100 | 4/28 | 12 | 30.1 | 24.4 |
| #Lemhi Pass | Mont. | 7480 | 5/1 | 0 | 14.4 | -- |
| #Lemhi Ridge | Mont. | 8100 | 5/1 | 0 | 16.6 | -- |
| Mill Creek Summit | | 8870 | 4/27 | 10 | 29.7 | 25.6* |
| Morgan Creek | | 7580 | 4/27 | 0 | 17.7 | 13.1* |
| #Rock Flat Summit | | 5200 | 4/28 | 0 | 18.4 | 16.5* |
| #Secesh Summit | | 6520 | 4/28 | 8 | 35.2 | -- |
| #Squaw Meadow | | 5800 | 4/28 | 0 | 36.9 | 36.5* |
| Vienna Mine | | 8960 | 4/28 | 14 | 42.7 | 37.9* |

Lemhi River

| | | | | | | |
|---------------|------|------|---|-----|------|-------|
| Above Gilmore | 8200 | 4/27 | 0 | 0.0 | 13.7 | 10.7* |
| Meadow Lake | 9100 | 4/27 | 0 | 0.0 | 25.4 | 22.3* |

MIDDLE SNAKE RIVER BASIN - NORTHSIDEBIG LOST RIVER

| | | | | | | |
|------------|------|------|---|-----|-----|----|
| White Knob | 7700 | 4/29 | 0 | 0.0 | 8.6 | -- |
|------------|------|------|---|-----|-----|----|

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--|----------------|---------------------|------------------------|-------------|----------------------|
| | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Last Year | Average ^b |

BIG WOOD RIVER

| | | | | | | |
|--------------|------|------|----|-----|------|-------|
| Galena | 7300 | 4/29 | 0 | 0.0 | 16.0 | 15.5 |
| Graham Ranch | 6200 | 4/29 | 0 | 0.0 | 7.1 | 7.0* |
| #Vienna Mine | 8960 | 4/28 | 14 | 5.4 | 42.7 | 37.9* |

BOISE RIVER

| | | | | | | |
|----------------------|------|------|----|-----|------|-------|
| Atlanta Summit | 7500 | 4/28 | 4 | 1.2 | 38.8 | 36.1 |
| Bad Bear | 5500 | 4/29 | 0 | 0.0 | 11.2 | 5.0* |
| Graham Guard Station | 5690 | 4/28 | 0 | 0.0 | 10.6 | -- |
| Jackson Peak | 7000 | 4/28 | 0 | 0.0 | 37.1 | 31.8* |
| Moores Creek Summit | 6100 | 4/29 | 5 | 1.5 | 39.2 | 31.9 |
| Trinity Mountain | 7780 | 4/29 | 0 | 0.0 | 45.0 | 44.2* |
| #Vienna Mine | 8960 | 4/28 | 14 | 5.4 | 42.7 | 37.9* |

PAYETTE RIVER

| | | | | | | |
|-------------------------|------|------|----|-----|------|-------|
| Big Creek Summit | 6600 | 4/28 | 14 | 5.0 | 41.8 | 37.0 |
| #Brundage Mountain | 7560 | 4/28 | 18 | 6.4 | 50.2 | 51.9* |
| Cozy Cove | 5400 | 4/28 | 0 | 0.0 | -- | 9.8 |
| Crawford Ranger Station | 4800 | 4/28 | 0 | 0.0 | 0.0 | 0.0 |
| Deadwood Airstrip | 5440 | 4/28 | 0 | 0.0 | 6.7 | 7.3* |
| Deadwood Summit | 7000 | 4/28 | 3 | 0.9 | 45.0 | 48.4* |
| #Jackson Peak | 7000 | 4/28 | 0 | 0.0 | 37.1 | 31.8* |
| Lake Fork | 6000 | 4/28 | 0 | 0.0 | 18.4 | -- |
| Rock Flat Summit | 5200 | 4/28 | 0 | 0.0 | 18.4 | 16.5* |
| Secesh Summit | 6520 | 4/28 | 8 | 2.3 | 35.2 | -- |
| Squaw Meadow | 5800 | 4/28 | 0 | 0.0 | 36.9 | 36.5* |

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

| | | | | | | |
|---------------|------|------|---|-----|------|-------|
| Howell Canyon | 8000 | 4/29 | 0 | 0.0 | 31.0 | 23.6* |
|---------------|------|------|---|-----|------|-------|

SALMON FALLS CREEK

| | | | | | | | |
|----------------------|----------|------|------|----|-----|------|-------|
| #Bear Creek | Nev. | 7800 | 4/26 | 21 | 8.2 | 26.8 | 20.0* |
| Cedar Creek (A) | | 7000 | 4/29 | 0 | 0.0 | 2.3 | 3.1 |
| Deadline | | 6900 | 4/29 | 0 | 0.0 | 27.0 | 19.5 |
| Goat Creek (A) | Nev. | 8800 | 4/29 | 14 | 5.5 | 24.4 | 20.1 |
| #Hummingbird Springs | Nev. (A) | 8945 | 4/29 | 14 | 5.5 | 35.0 | 26.2 |
| Magic Mountain | | 6700 | 4/29 | 0 | 0.0 | 23.3 | 15.9 |
| #Pole Creek R.S. (A) | Nev. | 8330 | 4/29 | 4 | 1.6 | 27.4 | 22.7 |
| Red Point (A) | Nev. | 7940 | 4/29 | 0 | 0.0 | 3.6 | -- |
| Shoshone Basin (A) | | 5740 | 4/29 | 0 | 0.0 | 0.0 | -- |
| Wilson Creek (A) | | 7500 | 4/29 | 0 | 0.0 | 9.1 | -- |

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-------------|----------------------|
| NAME | Elevation | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | Last Year | Average ^b |

BRUNEAU RIVER

| | | | | | | | |
|---------------------|----------|------|------|----|-----|------|-------|
| Bear Creek | Nev. | 7800 | 4/26 | 21 | 8.2 | 26.8 | 20.0* |
| Hummingbird Springs | Nev. (A) | 8945 | 4/29 | 14 | 5.5 | 35.0 | 26.2 |
| Pole Creek R.S. (A) | Nev. | 8330 | 4/29 | 4 | 1.6 | 27.4 | 22.7 |
| #Seventy-six Creek | Nev. | 7100 | 4/26 | 0 | 0.0 | 8.1 | -- |

OWYHEE RIVER

| | | | | | | | |
|--------------------|------|------|------|----|-----|------|-------|
| #Bear Creek | Nev. | 7800 | 4/26 | 21 | 8.2 | 26.8 | 20.0* |
| #Seventy-six Creek | Nev. | 7100 | 4/26 | 0 | 0.0 | 8.1 | -- |
| Silver City | | 6400 | 4/29 | 0 | 0.0 | 11.3 | 8.9* |
| South Mountain | | 6340 | 4/30 | 0 | 0.0 | 6.8 | 7.1* |

UPPER SNAKE RIVER BASINHENRYS FORK RIVER

| | | | | | | | |
|------------------|------|------|------|----|-----|------|-------|
| Big Springs | | 6400 | 5/2 | 0 | 0.0 | 20.3 | 17.1* |
| Grassy Lake | Wyo. | 7265 | 4/29 | 16 | 7.0 | 50.9 | 34.3* |
| Island Park | | 6315 | 5/2 | 0 | 0.0 | 17.4 | 10.2* |
| Sawtell Mountain | | 8720 | 5/2 | 8 | 5.5 | 36.8 | 38.1* |
| Targhee Pass | | 7000 | 5/2 | 0 | 0.0 | 15.9 | 15.4* |
| Valley View | | 6500 | 5/2 | 0 | 0.0 | 16.0 | 14.2* |
| White Elephant | | 7700 | 5/2 | 0 | 0.0 | 30.2 | -- |

TETON RIVER

| | | | | | | | |
|---------------------|------|------|------|----|------|------|-------|
| Darby Canyon | Wyo. | 8250 | 4/25 | 29 | 10.3 | 34.9 | -- |
| Freds Mountain | Wyo. | 8150 | 4/25 | 22 | 8.5 | 35.7 | -- |
| Garns Mountain | | 8300 | 4/25 | 23 | 8.7 | 47.0 | -- |
| Indian Meadows | Wyo. | 8240 | 4/25 | 34 | 13.0 | 54.6 | -- |
| Jackpine Creek | Wyo. | 7350 | 4/25 | 17 | 6.9 | 33.0 | -- |
| McRenolds Reservoir | | 6800 | 4/25 | 11 | 4.1 | 28.7 | -- |
| Miles Creek | Wyo. | 7300 | 4/25 | 0 | 0.0 | 15.7 | -- |
| Phillips Bench | Wyo. | 8200 | 4/28 | 41 | 15.0 | 38.4 | -- |
| Pine Creek Pass | | 6750 | 4/25 | 0 | 0.0 | 24.1 | 12.5* |
| State Line | | 6650 | 4/25 | 0 | 0.0 | 19.6 | 8.4 |
| Teton Pass W.S. | Wyo. | 8400 | 4/28 | 22 | 7.8 | 36.3 | -- |

GREAT BASINBEAR RIVERMink Creek

| | | | | | | | |
|------------------|--|------|------|----|------|------|-------|
| Dry Basin | | 7900 | 4/25 | 12 | 4.6 | -- | 29.9* |
| #Emigrant Summit | | 7350 | 4/25 | 6 | 2.1 | 28.2 | 23.6* |
| Horseshoe Basin | | 8000 | 4/25 | 11 | 4.1 | -- | 29.2* |
| Liberty Spring | | 8600 | 4/25 | 27 | 11.8 | -- | 44.6* |

(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation. Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|-----------|----------------|---------------------|------------------------|-------------|------------------|
| | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Last Year | Average <i>b</i> |
| NAME | Elevation | | | | | |

Cub River

| | | | | | | |
|-----------------|------|------|---|-----|------|------|
| Cub River R.S. | 5400 | 4/25 | 0 | 0.0 | 0.0 | 1.0 |
| #Franklin Basin | 8000 | 4/25 | 9 | 3.0 | 32.2 | -- |
| Willow Flat | 6100 | 4/25 | 0 | 0.0 | 11.1 | 4.0* |
| Worm Creek | 6660 | 4/25 | 0 | 0.0 | -- | -- |

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

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